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Terms	Documents
17 and remote adj4 user	0

**Database:**

US Patents Full Text Database

JPO Abstracts Database

EPO Abstracts Database

Derwent World Patents Index

IBM Technical Disclosure Bulletins

**Refine Search:**

17 and remote adj4 user

[Clear](#)**Search History****Today's Date: 6/30/2000**

<u>DB Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
USPT	17 and remote adj4 user	0	<a href="#">L9</a>
USPT	17 and remote adj4 users	0	<a href="#">L8</a>
USPT	16 and match	9	<a href="#">L7</a>
USPT	personal adj3 web adj3 page and characteristics	9	<a href="#">L6</a>
USPT	12 and security and parameters	1	<a href="#">L5</a>
USPT	13 and singles	1	<a href="#">L4</a>
USPT	12 and profile	1	<a href="#">L3</a>
USPT	personal adj3 page and dating	3	<a href="#">L2</a>
USPT	(leaf adj pattern and orientation and positions and pages and parts )	1	<a href="#">L1</a>

**WEST**[Generate Collection](#)**Search Results - Record(s) 1 through 3 of 3 returned.**☐ 1. Document ID: US 5950200 A

L2: Entry 1 of 3

File: USPT

Sep 7, 1999

US-PAT-NO: 5950200

DOCUMENT-IDENTIFIER: US 5950200 A

TITLE: Method and apparatus for detection of reciprocal interests or feelings and subsequent notification

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMC	Draw Desc	Image
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☐ 2. Document ID: US 5862223 A

L2: Entry 2 of 3

File: USPT

Jan 19, 1999

US-PAT-NO: 5862223

DOCUMENT-IDENTIFIER: US 5862223 A

TITLE: Method and apparatus for a cryptographically-assisted commercial network system designed to facilitate and support expert-based commerce

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMC	Draw Desc	Image
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☐ 3. Document ID: US 5086394 A

L2: Entry 3 of 3

File: USPT

Feb 4, 1992

US-PAT-NO: 5086394

DOCUMENT-IDENTIFIER: US 5086394 A

TITLE: Introduction system for locating compatible persons

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMC	Draw Desc	Image
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[Generate Collection](#)

Terms	Documents
personal adj3 page and dating	3

[Display](#)

10

Documents, starting with Document:

3

**Display Format:**

**WEST****End of Result Set**

Generate Collection

L4: Entry 1 of 1

File: USPT

Jan 19, 1999

DOCUMENT-IDENTIFIER: US 5862223 A

TITLE: Method and apparatus for a cryptographically-assisted commercial network system designed to facilitate and support expert-based commerce

## BSPR:

Typically, electronic Exchanges are designed to facilitate commercial transactions of tokens of ownership, such as shares of stock, or physical objects such as ounces of gold or a used car. Other Exchanges specialize in the sale of information stored on databases such as that provided by Lexis/Nexis, where users pay fees for accessing articles while content providers are paid per article downloaded. Still other Exchanges provide matching services where each party is seeking an efficient way to find the other, such as might be provided by a dating service or a job bank.

## BSPR:

To understand the failure of AMIX, and all other prior attempts to create working expert-exchange marketplaces, it is necessary to understand that effective markets, whether they be physical or electronic, require a complete and highly specialized set of conditions in order to function and thrive. A single missing ingredient or feature of service might result in a shortage of either buyers or sellers and lead to the collapse of the Exchange--which needs sufficient quantities of both to continue operation. At the same time, the Exchange must be able to ensure that it can derive sufficient income from the commerce of its activities in order to support the Exchange's cost of operations and make a profit.

## BSPR:

There are several variations of the present invention that allow for different levels of service, security and communication confidentiality and privacy. One such example is the ability for the user to select from a particular list of experts prior to submitting his request. In this way, the user can select and review the qualifications of the experts and choose the expert or experts that he feels most comfortable with. Using the example above, the user can look through all the historians, searching for one with the most relevant expertise on Catherine the Great. The user can look for historians in a particular subject, or historians with a given amount of experience. He can also review a complete profile of the historian, including journal articles or samples of previous client work. The user might also communicate to the Exchange using encrypted transmission and require that all communication about the job to potential experts also be encrypted to prevent unwanted parties from reviewing the job request materials. (If it were known that a manuscript possibly penned by Catherine the Great had been recently discovered, the market for other Russian manuscripts might be affected.)

## DEPR:

Expert database 255 maintains data on the experts, including name, address, private key information, email addresses, physical addresses, payment preferences, rates, availability standards, voice mail addresses, expert profile 155, biographies, past expert answers 130, and respective subject areas of expertise. Expert profile 155 includes automatic bid amounts, minimum completion times, acceptable price ranges, and the like. Expert database 255 includes rating information generated by end users, as well as expert address 145, which is used to direct communications to the expert. Expert address 145 comprises a phone number, web page URL, bulletin board address, pager number, telephone number, email address, voice mail address, facsimile number, or any other way to contact

the expert. Expert database 255 also stores all bid requests 160 and bid offers 165 generated by the expert. Advertising data generated by the expert may also be stored in this database.

DEPR:

End user database 260 maintains data on end users, such as name, address, phone number, ID number, email address, payment preferences, past system usage, private key information, etc. It also contains end user profile 150, which stores preferences for required response time, acceptable qualification levels, acceptable price levels, automatic bid amounts, and the like. It also contains copies of each bid request 160 and bid offer 165 generated by the end user.

DEPR:

Expert qualifications database 285 maintains expert qualifications 140 on the expert's professional, academic, and industry qualifications, such as licenses, degrees, publications, experience, certifications, professional education, skill sets, languages, location, response times, rates, resume, etc. These qualifications may be stored in multimedia form (e.g. text, video, audio) and transmitted to end users looking for further qualification data about an expert. In an alternative embodiment, expert qualifications database 285 and expert database 255 can be combined into a single database.

DEPR:

While the above embodiment describes a single computer acting as the central controller, those skilled in the art will realize that the functionality can be distributed over a plurality of computers. In another embodiment, central controller 200 may be configured in a distributed architecture, as shown in FIG. 3, wherein the databases and processors are housed in separate units or locations. Controllers 320 through 340 perform the primary processing functions and contain at a minimum RAM, ROM, and a general processor. Each of these controllers is attached to WAN hub 300 which serves as the primary communication link with the other devices. WAN hub 300 may have minimal processing capability itself, serving primarily as a communications router. Although only three controllers are shown in this embodiment, those skilled in the art will appreciate that an almost unlimited number of controllers may be supported. In such a configuration, each controller is in communication with its constituent parts, but the processor and/or data storage functions are performed by stand-alone units. Payment processor and database 350, billing processor and database 360, and expert/end user database 370 all communicate through WAN hub 300 with controllers 320 through 340. This arrangement yields a more dynamic and flexible system, less prone to catastrophic hardware failures affecting the entire system.

DEPR:

The search for qualified experts is not limited to those experts registered with the system, however. External databases of known experts may also be queried to find qualified experts. The above mentioned Martindale-Hubbell Law Directory, for example, could be searched for a particular specialist. When criteria 117 requires an attorney with experience in medical malpractice, for example, these keywords are entered into the database to produce a list of candidate experts. These experts may be added to the list of experts generated from registered experts. When no database currently exists for a particular group of experts, World Wide Web search tools such as Alta Vista may be employed. By typing in a few key words, resumes and personal home pages of appropriate candidate experts are produced. A message may then be sent to this list of experts indicating that there may be work available for them.

DEPR:

The resulting list of candidate experts may also be reduced after examining expert profiles 155 stored in expert database 255. These expert profiles 155 contain rules or preferences regarding characteristics of end user requests 120 sent to the expert. For example, expert profile 155 (described in the selection embodiment) might indicate that he does not want any end user request 120 transmitted to him that pays less than one hundred dollars. Or he may indicate that no end user requests 120 are to be transmitted to him if they require a completion time of less than one hour, unless the subject is fluid dynamics. These requirements are codified into rules and relationships which can be executed by central controller 200, narrowing the list of target experts.

## DEPR:

Referring now to FIG. 23, there is shown an exemplary embodiment for transmitting test components to graders. If the grader accepts the test components at step 2300, he sends an acknowledgment to central controller 200 at step 2320. If the grader does not accept, no further action is taken at step 2310. At step 2330, if more than one grader has accepted the work, then a determination is made at step 2340 as to whether or not the test components can go to multiple graders. If the test components can go to multiple graders, then the test components are distributed based on criteria 117 of grading request 125 at step 2350. If the test components cannot be split up, then a single grader is selected at step 2360 based on criteria 117 of grading request 125. After step 2350 and 2360, the test components are transmitted to the appropriate grader at step 2370. If only one grader accepts the work at step 2330, then the test components are transmitted to the grader at step 2370.

## DEPR:

In one method of the present invention, central controller 200 uses end user profile 150 to select the experts. End user profile 150 represents rules for unattendant handling of transactions and is stored in end user database 260. For example, the end user might want to select the first expert to reply, the three least expensive experts, the most expensive expert, or the expert with the highest expert qualifications 140 from expert qualifications database 285. The end user could also require a minimum number of experts, or that he wants everyone who accepts end user request 120 within twenty minutes. These rules are stored in end user profile 150, allowing central controller 200 to automate more of the selection process.

## DEPR:

In order to select from among many experts responding to end user request 120, bidding protocols can be used in which the expert has an expert profile 155 that is used to decide which end user requests 120 will be accepted or rejected. Expert profile 155 includes automatic bid amounts, minimum completion times, or automatic acceptances for high priced end user requests 120. For example, when end user request 120 is sent to the expert, central controller 200 automatically submits a bid or rejection based on expert profile 155.

## DEPR:

End user profile 150 may contain bidding rules as well, such as excluding bids above or below a predetermined amount. The end user can also specify that he only wants experts willing to negotiate the price for responses, or that the experts must engage in an active bidding session in order to get his business.

## DEPR:

Each expert then has an opportunity to bid on or reject the end user's end user request 120 at step 3020. If the expert rejects end user request 120, notification is sent to central controller 200 at step 3030. If the expert chooses to bid on end user request 120, the bid offer 165 is sent to central controller 200 to be combined with bid offers 165 from other experts at step 3040. Central controller 200 then sends bid offers 165 to the end user at step 3050. At step 3060, the end user chooses from among bid offers 165 and selects an expert to answer end user request 120. The end user's choice is then transmitted to central controller 200 and the expert is notified of acceptance at step 3070. Alternatively, the end user instructs central controller 200 to automatically accept the lowest bid offer 165, highest bid offer 165, or any bid offer 165 that satisfies attached criteria 117 or end user profile 150. The end user, therefore, does not need to be directly involved in the bidding at all.

## DEPR:

In the above procedure, the expert is directly involved in the bidding process. In an alternative embodiment, the expert's profile 155 is stored in expert database 255. Based on expert profile 155, central controller 200 automatically directs the bidding process. For example, a lawyer might establish expert profile 155 which automatically bids two hundred dollars for any end user request 120 regarding wills, except for those requiring completion in two hours or less.

## ORPL:

"Company Profile," press release printed from  
<http://www.communities.com/company.html> (Electric Communities World Wide Web site) prior to Jul. 10, 1996.

**WEST**[Generate Collection](#)**Search Results - Record(s) 1 through 9 of 9 returned.**☐ 1. Document ID: US 6078650 A

L6: Entry 1 of 9

File: USPT

Jun 20, 2000

US-PAT-NO: 6078650

DOCUMENT-IDENTIFIER: US 6078650 A

TITLE: Telephone system integrated text based communication processes to enhance access for TDD and/or TTY devices

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 2. Document ID: US 6002749 A

L6: Entry 2 of 9

File: USPT

Dec 14, 1999

US-PAT-NO: 6002749

DOCUMENT-IDENTIFIER: US 6002749 A

TITLE: Telephone system integrated text based communication apparatus and systems to establish communication links to TDD and/or TTY devices and other telephone and text server systems

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 3. Document ID: US 5943395 A

L6: Entry 3 of 9

File: USPT

Aug 24, 1999

US-PAT-NO: 5943395

DOCUMENT-IDENTIFIER: US 5943395 A

TITLE: Telephone apparatus, systems, and processes to enhance access for TDD and/or TTY devices

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 4. Document ID: US 5940475 A

L6: Entry 4 of 9

File: USPT

Aug 17, 1999

US-PAT-NO: 5940475

DOCUMENT-IDENTIFIER: US 5940475 A

TITLE: Telephone system integrated text based communication apparatus and system to enhance access for TDD and/or TTY devices

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 5. Document ID: US 5933476 A

L6: Entry 5 of 9

File: USPT

Aug 3, 1999

US-PAT-NO: 5933476

DOCUMENT-IDENTIFIER: US 5933476 A

TITLE: TTY telephone display and related processes systems and apparatus

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 6. Document ID: US 5924090 A

L6: Entry 6 of 9

File: USPT

Jul 13, 1999

US-PAT-NO: 5924090

DOCUMENT-IDENTIFIER: US 5924090 A

TITLE: Method and apparatus for searching a database of records

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 7. Document ID: US 5915001 A

L6: Entry 7 of 9

File: USPT

Jun 22, 1999

US-PAT-NO: 5915001

DOCUMENT-IDENTIFIER: US 5915001 A

TITLE: System and method for providing and using universally accessible voice and speech data files

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 8. Document ID: US 5905800 A

L6: Entry 8 of 9

File: USPT

May 18, 1999

US-PAT-NO: 5905800

DOCUMENT-IDENTIFIER: US 5905800 A

TITLE: Method and system for digital watermarking

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 9. Document ID: US 5822432 A

L6: Entry 9 of 9

File: USPT

Oct 13, 1998



US-PAT-NO: 5822432  
DOCUMENT-IDENTIFIER: US 5822432 A  
TITLE: Method for human-assisted random key generation and application for digital watermark system

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWC	Draw Desc	Image
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Generate Collection

Terms	Documents
personal adj3 web adj3 page and characteristics	9

Display

10

Documents, starting with Document:

9

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